Table D-C-1
Nitrogen Oxides (NO_x) RBLC Search - Dew Point Heater
Invenergy, LLC - Allegheny County Energy Center Project

RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARD EMISSION LIMIT	UNIT	AVG TIME CONDITION
*AK-0084	DONLIN GOLD PROJECT	6/30/2017	Boilers and Hea	Natural Gas a	29.29	MMBtu/hr	Two (2) natural gas and diesel fired 2	Good Combustion Practices	0.154	LB/MMBTU (ULS	3-HOUR AVERAG	0.098	LB/MMBTU (NAT	3-HOUR AVERAG	0		
*AK-0084	DONLIN GOLD PROJECT	6/30/2017	Two (2) Heater	Natural Gas	16.5	MMBtu/hr	Two (2) 16.5 MMBtu/hr heaters (nat	Low-NOx Burners	0.154	LB/MMBTU (ULS	3-HOUR AVERAG	0.049	LB/MMBTU (NAT	3-HOUR AVERAG	0		
FL-0356	OKEECHOBEE CLEAN ENI	3/9/2016	Two natural gas	Natural gas	10	MMBtu/hr	Fueled only with gas. May operate on	Must have NOx emission design value less than 0.1 lb/MMBtu	0.1	LB/MMBTU		0			0		
*FL-0363	DANIA BEACH ENERGY C	12/4/2017	Two natural gas	Natural gas	9.9	MMBtu/hr		Manufacturer certification	0.1	LB/MMBTU	DESIGN VALUE	0			0		
IN-0263	MIDWEST FERTILIZER CO	3/23/2017	STARTUP HEA	NATURAL G	70	MMBTU/HR		GOOD COMBUSTION PRACTICES	12.611	LB/H	3 HOUR AVERAG	200	H/YR		0		
LA-0305	LAKE CHARLES METHAN	6/30/2016	Gasifier Start-u	Natural gas	23	MM BTU/hr (each)		good engineering practices, good combustion technology, and use of clean fuels	0			0			0		
LA-0305	LAKE CHARLES METHAN	6/30/2016	WSA Preheat B	Natural Gas	0			good engineering design and practices and use of clean fuels	0			0			0		
LA-0307	MAGNOLIA LNG FACILIT	3/21/2016	Regenerative H	natural gas	7.37	mm btu/hr		good combustion practices	0			0			0		
MI-0423	INDECK NILES, LLC	1/4/2017	FGFUELHTR (	Natural gas	27	MMBTU/H	Two natural gas fired dew point heate	Good combustion practices.	2.65	LB/H	HOURLY; EACH	0			0		
*MI-0435	BELLE RIVER COMBINED	7/16/2018	EUFUELHTR1	Natural gas	20.8	MMBTU/H	A natural gas-fired 20.8 MMBTU/H	Low NOx burner	0.75	LB/H	HOURLY	0			0		
*MI-0435	BELLE RIVER COMBINED	7/16/2018	EUFUELHTR2	Natural gas	3.8	MMBTU/H	A natural gas-fired 3.8 MMBTU/H ha	Low NOx burner	0.14	LB/H	HOURLY	0			0		
*IA-0107	MARSHALLTOWN GENERATING STATION	4/14/2014	dew point heater	natural gas	13.32	mmBtu/hr			0.013	LB/MMBTU	3-HOUR AVERAGE	0			0		
MD-0040	CPV ST CHARLES	11/12/2008	HEATER	NATURAL GAS	1.7	MMBTU/H	FUEL GAS HEATER		0.1	LB/MMBTU		0			0		
*MD-0042	WILDCAT POINT GENERATION FACILITY	4/8/2014	DEW POINT HEATER	NATURAL GAS	5	MMBTU/H		USE OF EFFICIENT DESIGN OF THE HEATER, EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS ONLY, AND APPLICATION OF GOOD COMBUSTION PRACTICES	0.049	LB/MMBTU	3-HOUR BLOCK AVERAGE	0			0		
OK-0129	CHOUTEAU POWER PLANT	1/23/2009	FUEL GAS HEATER (H2O BATH)		18.8	MMBTU/H			2.7	LB/H		0			0		
*PA-0288	SUNBURY GENERATION LP/SUNBURY SES	4/1/2013	DEW POINT HEATER	Natural Gas	15	MMBTU/H	Source shall only be fired on pipeline quality natural gas. Source shall not be operated in excess of 8,275 hours in any 12 consecutive month period.		0.085	LB/MMBTU		5.25	T/YR	IN ANY 12 CONSECUTIVE MONTH PERIOD	0		
*TX-0691	PH ROBINSON ELECTRIC GENERATING STATION	5/20/2014	fuel gas heater	natural gas	18	MMBtu/hr			0.1	LB/MMBTU		0			0		
*TX-0694	INDECK WHARTON ENERGY CENTER	2/2/2015	heater	natural gas	3	MMBtu/hr			0.1	LB/MMBTU	1 HOUR	0			0		
	CPV Valley Energy Center Wawayanda, NY		Fuel Gas Heater	Natural Gas	5.02	MMBtu/hr		Forced draft low NOx Burner	0.058	lb/MMBtu	1-hr average						

Table D-C-2
Carbon Monoxide (CO) RBLC Search - Dew Point Heater
Invenergy, LLC - Allegheny County Energy Center Project

RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
IN-0263	MIDWEST FERTILIZER COMPANY LLC	3/23/2017	STARTUP HEATER EU-002	NATURAL GAS	70	MMBTU/HR		GOOD COMBUSTION PRACTICES	2.556	LB/H	3 HOUR AVERAGE	200	H/YR		0		
LA-0305	LAKE CHARLES METHANOL FACILITY	6/30/2016	Gasifier Start-up Preheat Burners	Natural gas	23	MM BTU/hr (each)		good engineering practices, good combustion technology, and use of clean fuels	0			0			0		
LA-0305	LAKE CHARLES METHANOL FACILITY	6/30/2016	WSA Preheat Burners	Natural Gas	0			good engineering design and practices and use of clean fuels	0			0			0		
LA-0307	MAGNOLIA LNG FACILITY	3/21/2016	Regenerative Heaters	natural gas	7.37	mm btu/hr		good combustion practices	0			0			0		
MI-0421	GRAYLING PARTICLEBOARD	8/26/2016	EUFLTOS1 in FGTOH (Thermal Oil System for Thermally Fused Lamination Lines)	Natural gas	34	MMBTU/H	One natural gas fired thermal oil system for thermally fused lamination lines rated at 10.2 MMBTU/H fuel heat input (EUFLTOS1 in FGTOH).	Good design and operation	0.082	LB/MMBTU	TEST PROTOCOL WILL SPECIFY AVG TIME	3.69	T/YR	BASED UPON 12-MO ROLLING TIME PERIOD	0		
MI-0421	GRAYLING PARTICLEBOARD	8/26/2016	EUTOH (In FGTOH)--Thermal Oil Heater	Natural gas	34	MMBTU/H	One natural gas fired thermal oil heater for press and sifter rated at 34 MMBTU/H fuel heat input (EUTOH in FGTOH). All falls under RBLC Process Type Code 30.590.	Good design and operation	0.082	LB/MMBTU	TEST PROTOCOL WILL SPECIFY AVG TIME.	12.3	T/YR	12-MO ROLLING TIME PERIOD	0		
MI-0423	INDECK NILES, LLC	1/4/2017	FGFUELHTR (Two fuel pre-heaters identified as EUFUELHTR1 & EUFUELHTR2)	Natural gas	27	MMBTU/H	Two natural gas fired dew point heaters for warming the natural gas fuel (EUFUELHTR1 & EUFUELHTR2 in flexible group FGFUELHTR). The total combined heat input during operation shall not exceed 27 MMBTU/H (each) as well. The CO2e limit is for both units combined; however the other limits are per unit.	Good combustion practices.	2.22	LB/H	HOURLY; EACH UNIT	0			0		
MI-0425	GRAYLING PARTICLEBOARD	5/9/2017	EUTOH in FGTOH	Natural gas	38	MMBTU/H	One natural gas-fired thermal oil heater for press and sifter rated at 38 MMBTU/hr fuel heat input (EUTOH in FGTOH). Also falls under the RBLC Process Type Code 30.590.	Good design and operation.	0.082	LB/MMBTU	TEST PROTOCOL SHALL SPECIFY	13.71	T/YR	12-MO ROLLING TIME PERIOD	0		
MI-0425	GRAYLING PARTICLEBOARD	5/9/2017	EUFLTOS1 in FGTOH	Natural gas	10.2	MMBTU/H	One natural gas-fired thermal oil system for thermally fused lamination lines rated at 10.2 MMBTU/H fuel heat input (EUFLTOS1 in FGTOH). Note: The throughput capacity, 10.2 MMBTU/H, is not a change but instead a correction from the previous entry. The previous entry is under MI-0421 for the original permit.	Good design and operation.	0.082	LB/MMBTU	TEST PROTOCOL SHALL SPECIFY	3.69	T/YR	12-MO ROLLING TIME PERIOD	0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EUFUELHTR1: Natural gas fired fuel heater	Natural gas	20.8	MMBTU/H	A natural gas-fired 20.8 MMBTU/H heat input HP fuel heater.	Good combustion controls.	0.77	LB/H	HOURLY	0			0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EUFUELHTR2: Natural gas fired fuel heater	Natural gas	3.8	MMBTU/H	A natural gas-fired 3.8 MMBTU/H heat input HP fuel heater.	Good combustion controls	0.14	LB/H	HOURLY	0			0		
*PA-0310	CPV FAIRVIEW ENERGY CENTER	9/2/2016	Dew point heater 13.8		0				0.08	LB/MMBTU		0			0		
*PA-0310	CPV FAIRVIEW ENERGY CENTER	9/2/2016	Dew point heater 3.2	Natrual Gas	3.2	MMBtu/hr			0.08	LB/MMBTU		0			0		
*VA-0325	GREENSVILLE POWER STATION	6/17/2016	AUXILIARY BOILER (1) AND FUEL GAS HEATERS (6)	NATURAL GAS	185	MMBTU/HR	The auxiliary boiler will provide steam to the steam turbine at startup and at cold starts to warm up the ST rotor. The steam from the auxiliary boiler will not be used to augment the power generation of the combustion turbines or steam turbine. The boiler is proposed to operate 8760 hrs/yr but will be limited by an annual fuel throughput based on a capacity factor of 10%.	Clean fuel and good combustion practices	0.035	LBS/MMBTU		6.6	LB/H		0		
*IA-0107	MARSHALLTOWN GENERATING STATION	4/14/2014	dew point heater	natural gas	13.32	mmBtu/hr			0.041	LB/MMBTU	3-HOUR AVERAGE	0			0		
MD-0040	CPV ST CHARLES	11/12/2008	HEATER	NATURAL GAS	1.7	MMBTU/H	FUEL GAS HEATER		0.08	LB/MMBTU		0			0		
*MD-0042	WILDCAT POINT GENERATION FACILITY	4/8/2014	DEW POINT HEATER	NATURAL GAS	5	MMBTU/H		USE OF EFFICIENT DESIGN OF THE HEATER, EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS ONLY, AND APPLICATION OF GOOD COMBUSTION PRACTICES	0.083	LB/MMBTU	3-HOUR BLOCK AVERAGE	0			0		
OK-0129	CHOUTEAU POWER PLANT	1/23/2009	FUEL GAS HEATER (H2O BATH)		18.8	MMBTU/H			0.39	LB/H		0			0		
*PA-0288	SUNBURY GENERATION LP/SUNBURY SES	4/1/2013	DEW POINT HEATER	Natural Gas	15	MMBTU/H	Source shall only be fired on pipeline quality natural gas. Source shall not be operated in excess of 8,275 hours in any 12 consecutive month period.		0.037	LB/MMBTU		2.28	T/YR	IN ANY 12 CONSECUTIVE MONTH PERIOD	0		
*TX-0691	PH ROBINSON ELECTRIC GENERATING STATION	5/20/2014	fuel gas heater	natural gas	18	MMBtu/hr			0.054	LB/MMBTU		0			0		
*TX-0694	INDECK WHARTON ENERGY CENTER	2/2/2015	heater	natural gas	3	MMBtu/hr			0.04	LB/MMBTU	1 HOUR	0			0		
	CPV Valley Energy Center Wawayanda, NY		Fuel Gas Heater	Natural Gas	5.02	MMBtu/hr		Good combustion controls.	0.084	lb/MMBtu	1-hr average						

Table D-C-3
Volatile Organic Compound (VOC) RBLC Search - Dew Point Heater
Invenergy, LLC - Allegheny County Energy Center Project

RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
*AK-0084	DONLIN GOLD PROJECT	6/30/2017	Boilers and Heaters (natural gas and	Natural Gas and Diesel	29.29	MMBtu/hr	Two (2) natural gas and diesel fired 29.29 MMBtu/hr process heaters, one (1) natural gas and diesel fired 20.66 MMBtu/hr boiler, one (1) natural gas and diesel	Good Combustion Practices	0.0015	LB/MMBTU (ULSD)	3-HOUR AVERAGE	0.0054	LB/MMBTU (NAT. GAS)	3-HOUR AVERAGE	0		
*AK-0084	DONLIN GOLD PROJECT	6/30/2017	Two (2) Heaters (natural gas and	Natural Gas	16.5	MMBtu/hr	Two (2) 16.5 MMBtu/hr heaters (natural gas and diesel fired).	Good Combustion Practices	0.0015	LB/MMBTU (ULSD)	3-HOUR AVERAGE	0.0054	LB/MMBTU (NAT. GAS)	3-HOUR AVERAGE	0		
IN-0263	MIDWEST FERTILIZER COMPANY LLC	3/23/2017	STARTUP HEATER EU-002	NATURAL GAS	70	MMBTU/HR		GOOD COMBUSTION PRACTICES	0.378	LB/H	3 HOUR AVERAGE	200	H/YR		0		
LA-0307	MAGNOLIA LNG FACILITY	3/21/2016	Regenerative Heaters	natural gas	7.37	mm btu/hr		good combustion practices	0			0			0		
MI-0421	GRAYLING PARTICLEBOARD	8/26/2016	EUTOH (In FGTOH)--Thermal	Natural gas	34	MMBTU/H	One natural gas fired thermal oil heater for press and sifter rated at 34 MMBTU/H fuel heat input (EUTOH in FGTOH). All falls under RBLC Process Type Code	Good design and operating/combustion practices.	0.0054	LB/MMBTU	TEST PROTOCOL	0.8	T/YR	BASED UPON A 12-MO ROLLING	0		
MI-0423	INDECK NILES, LLC	1/4/2017	FGFUELHTR (Two fuel pre-heaters	Natural gas	27	MMBTU/H	Two natural gas fired dew point heaters for warming the natural gas fuel (EUFUELHTR1 & EUFUELHTR2 in flexible group FGFUELHTR). The total	Good combustion practices.	0.15	LB/H	HOURLY; EACH FUEL HEATER	0			0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EUFUELHTR1: Natural gas fired fuel	Natural gas	20.8	MMBTU/H	A natural gas-fired 20.8 MMBTU/H heat input HP fuel heater.	Good combustion controls	0.17	LB/H	HOURLY	0			0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EUFUELHTR2: Natural gas fired fuel	Natural gas	3.8	MMBTU/H	A natural gas-fired 3.8 MMBTU/H heat input HP fuel heater.	Good combustion controls.	0.03	LB/H	HOURLY	0			0		
MD-0040	CPV ST CHARLES	11/12/2008	HEATER	NATURAL GAS	1.7	MMBTU/H	FUEL GAS HEATER		0.005	LB/MMBTU		0			0		
*MD-0042	WILDCAT POINT GENERATION FACILITY	4/8/2014	DEW POINT HEATER	NATURAL GAS	5	MMBTU/H		USE OF EFFICIENT DESIGN OF THE HEATER, EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS ONLY, AND APPLICATION OF GOOD COMBUSTION PRACTICES	0.005	LB/MMBTU	3-HOUR BLOCK AVERAGE	0			0		
OK-0129	CHOUTEAU POWER PLANT	1/23/2009	FUEL GAS HEATER (H2O BATH)		18.8	MMBTU/H			0.1	LB/H		0			0		
*PA-0288	SUNBURY GENERATION LP/SUNBURY SES	4/1/2013	DEW POINT HEATER	Natural Gas	15	MMBTU/H	Source shall only be fired on pipeline quality natural gas. Source shall not be operated in excess of 8,275 hours in any 12 consecutive month period.		0.006	LB/MMBTU		0.34	T/YR	IN ANY 12 CONSECUTIVE MONTH PERIOD	0		
	CPV Valley Energy Center Wawayanda, NY		Fuel Gas Heater	Natural Gas	5.02	MMBtu/hr		Good combustion controls.	0.011	lb/MMBtu	1-hr average						

Table D-C-4
Particulate Matter (PM) RBLC Search - Dew Point Heater
Invenergy, LLC - Allegheny County Energy Center Project

RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
*AK-0084	DONLIN GOLD PROJECT	6/30/2017	Boilers and Heaters (natural gas and	Natural Gas and Diesel	29.29	MMBtu/hr	Two (2) natural gas and diesel fired 29.29 MMBtu/hr process heaters, one (1) natural gas and diesel fired 20.66 MMBtu/hr boiler, one (1) natural gas and	Clean Fuel and Good Combustion Practices	0.0254	LB/MMBTU (ULSD)	3-HOUR AVERAGE	0.0075	LB/MMBTU (NAT. GAS)	3-HOUR AVERAGE	0		
*AK-0084	DONLIN GOLD PROJECT	6/30/2017	Two (2) Heaters (natural gas and	Natural Gas	16.5	MMBtu/hr	Two (2) 16.5 MMBtu/hr heaters (natural gas and diesel fired).	Clean Fuel and Good Combustion Practices	0.0254	LB/MMBTU (ULSD)	3-HOUR AVERAGE	0.0075	LB/MMBTU (NAT. GAS)	3-HOUR AVERAGE	0		
IN-0263	MIDWEST FERTILIZER COMPANY LLC	3/23/2017	STARTUP HEATER EU-002	NATURAL GAS	70	MMBTU/HR		GOOD COMBUSTION PRACTICE	0.13	LB/H	3HR AVERAGE	200	H/YR		0		
MI-0421	GRAYLING PARTICLEBOARD	8/26/2016	EUTOH (In FGTOH)--Thermal	Natural gas	34	MMBTU/H	One natural gas fired thermal oil heater for press and sifter rated at 34 MMBTU/H fuel heat input (EUTOH in FGTOH). All falls under RBLC Process	Good combustion practices	0.0075	LB/MMBTU	TEST PROTOCOL	1.1	T/YR	BASED UPON A 12-MO ROLLING	0		
MI-0423	INDECK NILES, LLC	1/4/2017	FGFUELHTR (Two fuel pre-heaters	Natural gas	27	MMBTU/H	Two natural gas fired dew point heaters for warming the natural gas fuel (EUFUELHTR1 & EUFUELHTR2 in flexible group FGFUELHTR). The total	Good combustion practices.	0.002	LB/MMBTU	TEST PROTOCOL	0			0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EUFUELHTR1: Natural gas fired	Natural gas	20.8	MMBTU/H	A natural gas-fired 20.8 MMBTU/H heat input HP fuel heater.	Low sulfur fuel	0.15	LB/H	HOURLY	0			0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EUFUELHTR2: Natural gas fired	Natural gas	3.8	MMBTU/H	A natural gas-fired 3.8 MMBTU/H heat input HP fuel heater.	Low sulfur fuel	0.03	LB/H	HOURLY	0			0		
MD-0040	CPV ST CHARLES	11/12/2008	HEATER	NATURAL GAS	1.7	MMBTU/H	FUEL GAS HEATER		0.007	LB/MMBTU		0			0		
*MD-0042	WILDCAT POINT GENERATION FACILITY	4/8/2014	DEW POINT HEATER	NATURAL GAS	5	MMBTU/H		EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.0075	LB/MMBTU	3-HOUR AVERAGE BASIS	0			0		
	CPV Valley Energy Center Wawayanda, NY		Fuel Gas Heater	Natural Gas	5.02	MMBtu/hr		Low sulfur fuel.	0.0076	lb/MMBtu	1-hr average						
*PA-0288	SUNBURY GENERATION LP/SUNBURY SES	4/1/2013	DEW POINT HEATER	Natural Gas	15	MMBTU/H	Source shall only be fired on pipeline quality natural gas. Source shall not be operated in excess of 8,275 hours in any 12 consecutive month period.		0.008	LB/MMBTU		0.46	T/YR	IN ANY 12 CONSECUTIVE MONTH PERIOD	0		

Table D-C-5
Particulate Matter less than 10 microns (PM_{10}) RBLC Search - Dew Point Heater
Invenergy, LLC - Allegheny County Energy Center Project

RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
*AK-0084	DONLIN GOLD PROJECT	6/30/2017	Boilers and Heaters (natural gas and diesel fired)	Natural Gas and Diesel	29.29	MMBtu/hr	Two (2) natural gas and diesel fired 29.29 MMBtu/hr process heaters, one (1) natural gas and diesel fired 20.66 MMBtu/hr boiler, one (1) natural gas and diesel fired 16 MMBtu/hr heater, one (1) natural gas fired 2 MMBtu/hr SO2 burner, one (1) diesel fired 2 MMBtu/hr SO2 burner, one hundred and 38 (138) natural gas fired building heaters, seven (7) natural gas fired 2.5 MMBtu/hr air handler heaters, and twenty (20) diesel fired portable heaters.	Clean Fuel and Good Combustion Practices	0.0254	LB/MMBTU (ULSD)	3-HOUR AVERAGE	0.0075	LB/MMBTU (NAT. GAS)	3-HOUR AVERAGE	0		
*AK-0084	DONLIN GOLD PROJECT	6/30/2017	Two (2) Heaters (natural gas and diesel fired)	Natural Gas	16.5	MMBtu/hr	Two (2) 16.5 MMBtu/hr heaters (natural gas and diesel fired).	Clean Fuel and Good Combustion Practices	0.0254	LB/MMBTU (ULSD)	3-HOUR AVERAGE	0.0075	LB/MMBTU (NAT. GAS)	3-HOUR AVERAGE	0		
IN-0263	MIDWEST FERTILIZER COMPANY LLC	3/23/2017	STARTUP HEATER EU-002	NATURAL GAS	70	MMBTU/HR		GOOD COMBUSTION PRACTICES	0.522	LB/H	3HOUR AVERAGE	200	H/YR		0		
LA-0305	LAKE CHARLES METHANOL FACILITY	6/30/2016	Gasifier Start-up Preheat Burners	Natural gas	23	MM BTU/hr (each)		good engineering practices, good combustion technology, and use of clean fuels	0			0			0		
LA-0305	LAKE CHARLES METHANOL FACILITY	6/30/2016	WSA Preheat Burners	Natural Gas	0			good engineering design and practices and use of clean fuels	0			0			0		
LA-0307	MAGNOLIA LNG FACILITY	3/21/2016	Regenerative Heaters	natural gas	7.37	mm btu/hr		good combustion practices	0			0			0		
MI-0421	GRAYLING PARTICLEBOARD	8/26/2016	EUTOH (In FGTOH)--Thermal Oil Heater	Natural gas	34	MMBTU/H	One natural gas fired thermal oil heater for press and sifter rated at 34 MMBTU/H fuel heat input (EUTOH in FGTOH). All falls under RBLC Process Type Code 30.590.	Good combustion practices.	0.0005	LB/MMBTU	TEST PROTOCOL WILL SPECIFY AVG TIME	0.08	T/YR	12-MO ROLLING TIME PERIOD	0		
MI-0423	INDECK NILES, LLC	1/4/2017	FGFUELHTR (Two fuel pre-heaters identified as EUFUELHTR1 & EUFUELHTR2)	Natural gas	27	MMBTU/H	Two natural gas fired dew point heaters for warming the natural gas fuel (EUFUELHTR1 & EUFUELHTR2 in flexible group FGFUELHTR). The total combined heat input during operation shall not exceed 27 MMBTU/H (each) as well. The CO2e limit is for both units combined; however the other limits are per unit.	Good combustion practices.	0.2	LB/H	HOURLY; EACH FUEL HEATER	0			0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EUFUELHTR1: Natural gas fired fuel heater	Natural gas	20.8	MMBTU/H	A natural gas-fired 20.8 MMBTU/H heat input HP fuel heater.	Low sulfur fuel	0.15	LB/H	HOURLY	0			0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EUFUELHTR2: Natural gas fired fuel heater	Natural gas	3.8	MMBTU/H	A natural gas-fired 3.8 MMBTU/H heat input HP fuel heater.	Low sulfur fuel	0.03	LB/H	HOURLY	0			0		
*IA-0107	MARSHALLTOWN GENERATING STATION	4/14/2014	dew point heater	natural gas	13.32	mmBtu/hr		low sulfur fuel	0.008	LB/MMBTU	3-HOUR AVERAGE	0			0		
MD-0040	CPV ST CHARLES	11/12/2008	HEATER	NATURAL GAS	1.7	MMBTU/H	FUEL GAS HEATER		0.007	LB/MMBTU		0			0		
*MD-0042	WILDCAT POINT GENERATION FACILITY	4/8/2014	DEW POINT HEATER	NATURAL GAS	5	MMBTU/H		EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.0075	LB/MMBTU	3-HOUR BLOCK AVERAGE	0			0		
OK-0129	CHOUTEAU POWER PLANT	1/23/2009	FUEL GAS HEATER (H2O BATH)		18.8	MMBTU/H			0.1	LB/H		0			0		
	CPV Valley Energy Center Wawayanda, NY		Fuel Gas Heater	Natural Gas	5.02	MMBtu/hr		Low sulfur fuel.	0.0076	lb/MMBtu	1-hr average						

Table D-C-6
Particulate Matter less than 2.5 microns ($PM_{2.5}$) RBLC Search - Dew Point Heater
Invenergy, LLC - Allegheny County Energy Center Project

RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
*AK-0084	DONLIN GOLD PROJECT	6/30/2017	Boilers and Heaters (natural gas and	Natural Gas and Diesel	29.29	MMBtu/hr	Two (2) natural gas and diesel fired 29.29 MMBtu/hr process heaters, one (1) natural gas and diesel fired	Clean Fuel and Good Combustion Practices	0.0254	LB/MMBTU (ULSD)	3-HOUR AVERAGE	0.0075	LB/MMBTU (NAT. GAS)	3-HOUR AVERAGE	0		
*AK-0084	DONLIN GOLD PROJECT	6/30/2017	Two (2) Heaters (natural gas and	Natural Gas	16.5	MMBtu/hr	Two (2) 16.5 MMBtu/hr heaters (natural gas and diesel fired).	Clean Fuel and Good Combustion Practices	0.0254	LB/MMBTU (ULSD)	3-HOUR AVERAGE	0.0075	LB/MMBTU (NAT. GAS)	3-HOUR AVERAGE	0		
IN-0263	MIDWEST FERTILIZER COMPANY LLC	3/23/2017	STARTUP HEATER EU-002	NATURAL GAS	70	MMBTU/HR		GOOD COMBUSTION PRACTICES	0.522	LB/H	3 HOUR AVERAGE	200	H/YR		0		
LA-0305	LAKE CHARLES METHANOL FACILITY	6/30/2016	Gasifier Start-up Preheat Burners	Natural gas	23	MM BTU/hr (each)		good engineering practices, good combustion technology, and use of clean	0			0			0		
LA-0305	LAKE CHARLES METHANOL FACILITY	6/30/2016	WSA Preheat Burners	Natural Gas	0			good engineering design and practices and use of clean fuels	0			0			0		
LA-0307	MAGNOLIA LNG FACILITY	3/21/2016	Regenerative Heaters	natural gas	7.37	mm btu/hr		good combustion practices	0			0			0		
MI-0421	GRAYLING PARTICLEBOARD	8/26/2016	EUTOH (In FGTOH)--Thermal	Natural gas	34	MMBTU/H	One natural gas fired thermal oil heater for press and sifter rated at 34 MMBTU/H fuel heat input (EUTOH	Good combustion practices.	0.0004	LB/MMBTU	TEST PROTOCOL WILL SPECIFY	0.06	T/YR	BASED UPON A 12-MO ROLLING	0		
MI-0423	INDECK NILES, LLC	1/4/2017	FGFUELHTR (Two fuel pre-heaters	Natural gas	27	MMBTU/H	Two natural gas fired dew point heaters for warming the natural gas fuel (EUFUELHTR1 & EUFUELHTR2 in	Good combustion practices.	0.2	LB/H	HOURLY; EACH FUEL HEATER	0			0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EUFUELHTR1: Natural gas fired	Natural gas	20.8	MMBTU/H	A natural gas-fired 20.8 MMBTU/H heat input HP fuel heater.	Low sulfur fuel	0.15	LB/H	HOURLY	0			0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EUFUELHTR2: Natural gas fired	Natural gas	3.8	MMBTU/H	A natural gas-fired 3.8 MMBTU/H heat input HP fuel heater.	Low sulfur fuel	0.03	LB/H	HOURLY	0			0		
*IA-0107	MARSHALLTOWN GENERATING STATION	4/14/2014	dew point heater	natural gas	13.32	mmBtu/hr			0.008	LB/MMBTU	3-HOUR AVERAGE	0			0		
MD-0040	CPV ST CHARLES	11/12/2008	HEATER	NATURAL GAS	1.7	MMBTU/H	FUEL GAS HEATER		0.007	LB/MMBTU		0			0		
*MD-0042	WILDCAT POINT GENERATION FACILITY	4/8/2014	DEW POINT HEATER	NATURAL GAS	5	MMBTU/H		EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS AND GOOD COMBUSTION PRACTICES	0.0075	LB/MMBTU	3-HOUR BLOCK AVERAGE	0			0		
*TX-0691	PH ROBINSON ELECTRIC GENERATING STATION	5/20/2014	fuel gas heater	natural gas	18	MMBtu/hr			0			0			0		
*TX-0694	INDECK WHARTON ENERGY CENTER	2/2/2015	heater	natural gas	3	MMBtu/hr			0			0			0		
	CPV Valley Energy Center Wawayanda, NY		Fuel Gas Heater	Natural Gas	5.02	MMBtu/hr		Low sulfur fuel.	0.0076	lb/MMBtu	1-hr average						

Table D-C-7
Sulfur Dioxide (SO_2) RBLC Search - Dew Point Heater
Invenergy, LLC - Allegheny County Energy Center Project

RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
FL-0356	OKEECHOBEE CLEAN ENERGY CENTER	3/9/2016	Two natural gas heaters	Natural gas	10	MMBtu/hr	Fueled only with gas. May operate one heater at a time.	Use of low-sulfur fuel	2	GR. S/100 SCF GAS		0			0		
*FL-0363	DANIA BEACH ENERGY CENTER	12/4/2017	Two natural gas heaters	Natural gas	9.9	MMBtu/hr		Clean fuel	2	GRAINS S / 100 SCF		0			0		
LA-0305	LAKE CHARLES METHANOL FACILITY	6/30/2016	Gasifier Start-up Preheat Burners	Natural gas	23	MM BTU/hr (each)		good engineering practices, good combustion technology, and use of clean	0			0			0		
LA-0305	LAKE CHARLES METHANOL FACILITY	6/30/2016	WSA Preheat Burners	Natural Gas	0			good engineering design and practices and use of clean fuels	0			0			0		
MI-0423	INDECK NILES, LLC	1/4/2017	FGFUELHTR (Two fuel pre-heaters identified as	Natural gas	27	MMBTU/H	Two natural gas fired dew point heaters for warming the natural gas fuel	Good combustion practices and the use of pipeline quality natural gas.	2000	GR/MMSCF	BASED UPON FUEL RECEIPT	0			0		
MD-0040	CPV ST CHARLES	11/12/2008	HEATER	NATURAL GAS	1.7	MMBTU/H	FUEL GAS HEATER		0		SEE NOTE	0			0		
*MD-0042	WILDCAT POINT GENERATION FACILITY	4/8/2014	DEW POINT HEATER	NATURAL GAS	5	MMBTU/H		USE OF EFFICIENT DESIGN OF THE HEATER, EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS ONLY, AND APPLICATION OF GOOD COMBUSTION PRACTICES	0.0006	LB/MMBTU	3-HOUR BLOCK AVERAGE	0			0		
OK-0129	CHOUTEAU POWER PLANT	1/23/2009	FUEL GAS HEATER (H2O BATH)		18.8	MMBTU/H		LOW SULFUR FUEL	0.01	LB/H		0			0		
*PA-0288	SUNBURY GENERATION LP/SUNBURY SES	4/1/2013	DEW POINT HEATER	Natural Gas	15	MMBTU/H	Source shall only be fired on pipeline quality natural gas. Source shall not be operated in excess of 8,275 hours in any 12 consecutive month period.		0.003	LB/MMBTU		0.17	T/YR	IN ANY 12 CONSECUTIVE MONTH PERIOD	0		
	CPV Valley Energy Center Wawayanda, NY		Fuel Gas Heater	Natural Gas	5.02	MMBtu/hr		Low sulfur fuel.	0.0022	lb/MMBtu	1-hr average						

Table D-C-8
Sulfuric Acid Mist (H_2SO_4) RBLC Search - Dew Point Heater
Invenergy, LLC - Allegheny County Energy Center Project

RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EUFUELHTR1: Natural gas fired fuel heater	Natural gas	20.8	MMBTU/H	A natural gas-fired 20.8 MMBTU/H heat input HP fuel heater.	Low sulfur fuel	0.34	GR S/100 SCF	FUEL SUPPLIER RECORDS	0			0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	7/16/2018	EUFUELHTR2: Natural gas fired fuel heater	Natural gas	3.8	MMBTU/H	A natural gas-fired 3.8 MMBTU/H heat input HP fuel heater.	Low sulfur fuel	0.34	GR S/100 SCF	FUEL SUPPLIER RECORDS	0			0		
*VA-0325	GREENSVILLE POWER STATION	6/17/2016	AUXILIARY BOILER (1) AND FUEL GAS HEATERS (6)	NATURAL GAS	185	MMBTU/HR	The auxiliary boiler will provide steam to the steam turbine at startup and at cold starts to warm up the ST rotor. The steam from the auxiliary boiler will not be used to augment the power generation of the combustion turbines or steam turbine. The boiler is proposed to operate 8760 hrs/yr but will be limited by an annual fuel throughput based on a capacity factor of 10%.	Pipeline quality natural gas	0.0001	LB/MMBTU		0			0		
*MD-0042	WILDCAT POINT GENERATION FACILITY	4/8/2014	DEW POINT HEATER	NATURAL GAS	5	MMBTU/H		USE OF EFFICIENT DESIGN OF THE HEATER, EXCLUSIVE USE OF PIPELINE QUALITY NATURAL GAS ONLY, AND APPLICATION OF GOOD COMBUSTION PRACTICES	0.0005	LB/MMBTU	3-HOUR BLOCK AVERAGE	0			0		
	CPV Valley Energy Center Wawayanda, NY		Fuel Gas Heater	Natural Gas	5.02	MMBtu/hr		Low sulfur fuel.	0.0002	lb/MMBtu	1-hr average						

Table D-C-9
Greenhouse Gas (GHG) RBLC Search - Dew Point Heater
Invenergy, LLC - Allegheny County Energy Center Project

RBLCID	FACILITY NAME	PERMIT ISSUANCE DATE	PROCESS NAME	PRIMARY FUEL	THROUGHPUT	THROUGHPUT UNIT	PROCESS NOTES	CONTROL METHOD DESCRIPTION	EMISSION LIMIT 1	UNIT	AVG TIME CONDITION	EMISSION LIMIT 2	UNIT	AVG TIME CONDITION	STANDARAD EMISSION LIMIT	UNIT	AVG TIME CONDITION
*AK-0084	DONLIN GOLD PROJECT	06/30/2017 ACT	Boilers and Heaters (natural gas and diesel fired)	Natural Gas and Diesel	29.29	MMBtu/hr	Two (2) natural gas and diesel fired 29.29 MMBtu/hr process heaters, one (1) natural gas and diesel fired 20.66 MMBtu/hr boiler, one (1) natural gas and diesel fired 16 MMBtu/hr heater, one (1) natural gas fired 2 MMBtu/hr SO2 burner, one (1) diesel fired 2 MMBtu/hr SO2 burner, one hundred and 38 (138) natural gas fired building heaters, seven (7) natural gas fired 2.5 MMBtu/hr air handler heaters, and twenty (20) diesel fired portable heaters.	Good Combustion Practices	176347	TPY	YEARLY	0			0		
*AK-0084	DONLIN GOLD PROJECT	06/30/2017 ACT	Two (2) Heaters (natural gas and diesel fired)	Natural Gas	16.5	MMBtu/hr	Two (2) 16.5 MMBtu/hr heaters (natural gas and diesel fired).	Good Combustion Practices	176347	TPY	YEARLY	0			0		
IN-0263	MIDWEST FERTILIZER COMPANY LLC	03/23/2017 ACT	STARTUP HEATER EU-002	NATURAL GAS	70	MMBTU/HR		GOOD COMBUSTION PRACTICES AND THE USE OF INLET AIR CONTROL SENSORS THAT LIMIT EXCESS AIR	8184	LB/H	3 HOUR AVERAGE	200	H/YR		0		
LA-0305	LAKE CHARLES METHANOL FACILITY	06/30/2016 ACT	Gasifier Start-up Preheat Burners	Natural gas	23	MM BTU/hr (each)		good equipment design and good combustion practices	0			0			0		
LA-0305	LAKE CHARLES METHANOL FACILITY	06/30/2016 ACT	WSA Preheat Burners	Natural Gas	0			good equipment design and good combustion practices	0			0			0		
LA-0307	MAGNOLIA LNG FACILITY	03/21/2016 ACT	Regenerative Heaters	natural gas	7.37	mm btu/hr		good combustion/operating/maintenance practices and fueled by natural gas	0			0			0		
MI-0421	GRAYLING PARTICLEBOARD	08/26/2016 ACT	EUTOH (In FGTOH)--Thermal Oil Heater	Natural gas	34	MMBTU/H	One natural gas fired thermal oil heater for press and sifter rated at 34 MMBTU/H fuel heat input (EUTOH in FGTOH). All falls under RBLC Process Type Code 30.590.	Good combustion and maintenance practices, natural gas only.	17438	T/YR	BASED UPON A 12-MO ROLLING TIME PERIOD	0			0		
MI-0423	INDECK NILES, LLC	01/04/2017 ACT	FGFUELHTR (Two fuel pre-heaters identified as EUFUELHTR1 & EUFUELHTR2)	Natural gas	27	MMBTU/H	Two natural gas fired dew point heaters for warming the natural gas fuel (EUFUELHTR1 & EUFUELHTR2 in flexible group FGFUELHTR). The total combined heat input during operation shall not exceed 27 MMBTU/H (each) as well. The CO2e limit is for both units combined; however the other limits are per unit.	Energy efficiency measures and the use of a low carbon fuel (pipeline quality natural gas).	13848	T/YR	12-MO ROLLING TIME PERIOD; COMBINED LIMI	0			0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	07/16/2018 ACT	EUFUELHTR1: Natural gas fired fuel heater	Natural gas	20.8	MMBTU/H	A natural gas-fired 20.8 MMBTU/H heat input HP fuel heater.	Natural gas fuel	6310	T/YR	12-MO ROLLING TIME PERIOD	0			0		
*MI-0435	BELLE RIVER COMBINED CYCLE POWER PLANT	07/16/2018 ACT	EUFUELHTR2: Natural gas fired fuel heater	Natural gas	3.8	MMBTU/H	A natural gas-fired 3.8 MMBTU/H heat input HP fuel heater.	Natural gas fuel	6310	T/YR	12-MONTH ROLLING TIME PERIOD	0			0		
*VA-0325	GREENSVILLE POWER STATION	06/17/2016 ACT	AUXILIARY BOILER (1) AND FUEL GAS HEATERS (6)	NATURAL GAS	185	MMBTU/HR	The auxiliary boiler will provide steam to the steam turbine at startup and at cold starts to warm up the ST rotor. The steam from the auxiliary boiler will not be used to augment the power generation of the combustion turbines or steam turbine. The boiler is proposed to operate 8760 hrs/yr but will be limited by an annual fuel throughput based on a capacity factor of 10%.	Natural gas and fuel and high efficiency design and operation.	117.1	LB/MMBTU		0			0		
*IA-0107	MARSHALLTOWN GENERATING STATION	4/14/2014	dew point heater	natural gas	13.32	mmBtu/hr			6860	T/YR	12-MONTH ROLLING TOTAL	0			0		
*IA-0107	MARSHALLTOWN GENERATING STATION	4/14/2014	dew point heater	natural gas	13.32	mmBtu/hr			6860	T/YR	12-MONTH ROLLING TOTAL	0			0		
*TX-0758	ECTOR COUNTY ENERGY CENTER	8/1/2014	Dew-Point Heater	Natural Gas	9	MMBtu/hr			2631	T/YR	12-MONTH ROLLING TOTAL	0			0		